

**WEST**

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**Search Results -**

Term	Documents
ANTISENSE.DWPI,TDBD,EPAB,JPAB,USPT,PGPB.	17039
ANTISENSES.DWPI,TDBD,EPAB,JPAB,USPT,PGPB.	15
(4 SAME ANTISENSE) USPT,PGPB,JPAB,EPAB,DWPI,TDBD.	23

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**Database:**

*Attachment  
to paper # 7  
Fo A M*

**Search History****Today's Date: 9/25/2001**

<u>DB Name</u>	<u>Query</u>	<u>Hit Count</u>	<u>Set Name</u>
USPT,PGPB,JPAB,EPAB,DWPI,TDBD	14 same antisense	23	<u>L5</u>
USPT,PGPB,JPAB,EPAB,DWPI,TDBD	promoter adj5 ltr	1195	<u>L4</u>
USPT,PGPB,JPAB,EPAB,DWPI,TDBD	I2 and retroviral	60	<u>L3</u>
USPT,PGPB,JPAB,EPAB,DWPI,TDBD	11 same antisense	77	<u>L2</u>
USPT,PGPB,JPAB,EPAB,DWPI,TDBD	promoter\$ same ltr	2582	<u>L1</u>

```

### Status: Path 1 of [Dialog Information Services via Modem]

### Status: Initializing TCP/IP using (UseTelnetProto 1 ServiceID pto-dialog)
Trying 3106900061...Open

DIALOG INFORMATION SERVICES
PLEASE LOGON:
***** HHHHHHHH SSSSSSS?
### Status: Signing onto Dialog
*****
ENTER PASSWORD:
***** HHHHHHHH SSSSSSS? *****
Welcome to DIALOG
### Status: Connected

Dialog level 01.08.22D

Last logoff: 25sep01 11:25:15
Logon file001 25sep01 11:49:31
KWIC is set to 50.
HIGHLIGHT set on as '*'
* * *

File 1:ERIC 1966-2001/Sep 06
(c) format only 2001 The Dialog Corporation

Set Items Description
--- --- -----
?b 434, 155, 5
25sep01 11:49:36 User259980 Session D154.1
$0.28 0.079 DialUnits File1
$0.28 Estimated cost File1
$0.28 Estimated cost this search
$0.28 Estimated total session cost 0.079 DialUnits

SYSTEM:OS - DIALOG OneSearch
File 434:SciSearch(R) Cited Ref Sci 1974-1989/Dec
(c) 1998 Inst for Sci Info
File 155:MEDLINE(R) 1966-2001/Oct W3
File 5:Biosis Previews(R) 1969-2001/Sep W3
(c) 2001 BIOSIS

Set Items Description
--- --- -----
?s promoter?(5n)insert?
190205 PROMOTER?
183161 INSERT?
S1 3006 PROMOTER?(5N)INSERT?
?s promoter?(5n)introduc?
190205 PROMOTER?
289344 INTRODUC?
S2 1440 PROMOTER?(5N)INTRODUC?
?s s1 and ltr
3006 S1
7657 LTR
S3 77 S1 AND LTR
?s s3 and antisense
77 S3
30748 ANTISENSE
S4 3 S3 AND ANTISENSE
?rd
...completed examining records
S5 2 RD (unique items)
?t/9/all

5/9/1 (Item 1 from file: 155)
DIALOG(R)File 155:MEDLINE(R)

```

08405830 94157417 PMID: 8113688

The expression of the interleukin 6 gene is induced by the human immunodeficiency virus 1 TAT protein.

Scala G; Ruocco MR; Ambrosino C; Mallardo M; Giordano V; Baldassarre F; Dragonetti E; Quinto I; Venuta S

Department of Biochemistry and Biomedical Technology, Medical School, University Federico II, Naples, Italy.

Journal of experimental medicine (UNITED STATES) Mar 1 1994, 179 (3) p961-71, ISSN 0022-1007 Journal Code: I2V

Languages: ENGLISH

Document type: Journal Article

Record type: Completed

Subfile: INDEX MEDICUS

Human immunodeficiency virus 1 (HIV1) infection is associated with severe psoriasis, B cell lymphoma, and Kaposi's sarcoma. A deregulated production of interleukin 6 (IL-6) has been implicated in the pathogenesis of these diseases. The molecular mechanisms underlying the abnormal IL-6 secretion of HIV1-infected cells may include transactivation of the IL-6 gene by HIV1. To test this hypothesis, we used the pIL6Pr-chloramphenicol acetyltransferase (CAT) plasmid, an IL-6 promoter-CAT construct, as a target of the transactivating function of the HIV1 TAT protein. By cotransfected the pIL6Pr-CAT and the tat-expressing pSVT8 plasmid in MC3 B-lymphoblastoid or in HeLa epithelial cells, we observed that TAT transactivates the human IL-6 promoter. These results were confirmed when pIL6Pr-CAT was transfected in MC3 or HeLa cells that constitutively expressed the tat gene in a sense (pSVT8 cells) or \*antisense\* (pSVT10 cells) orientation. 5' deletion plasmids of pIL6Pr-CAT, in which regions at -658, -287, and -172 were inserted 5' to the cat gene, were transiently transfected in pSVT10 and pSVT8 cells and showed that TAT-induced activation of the IL-6 promoter required a minimal region located between -287 and -54 bp. Moreover, experiments with plasmids carrying the -658, -287, and -172 bp regions of the IL-6 \*promoter\* \*inserted\* downstream to a TAR-deleted HIV1-\*LTR\* identified the sequence of -172 to -54 as the minimal region of the IL-6 promoter required for TAT to transactivate the TAR-deleted HIV1-\*LTR\*. By DNA-protein binding experiments, tat-transfected cells expressed a consistent increase in kappa B and nuclear factor (NF)-IL-6 binding activity. Accordingly, the pdRCAT and IL-1REK9CAT, carrying tandem repeats of NF-kappa B or NF-IL6 binding motifs, respectively, were activated in TAT-expressing cells. The biological relevance of the TAT-induced IL-6 secretion was addressed by generating 7TD1 cells, an IL-6-dependent mouse cell line, stably expressing the tat gene. These tat-positive cells expressed the endogenous IL-6 gene, secreted high amounts of murine IL-6, and grew efficiently in the absence of exogenous IL-6. Moreover, the tat-positive 7TD1 cells sustained the growth of parental 7TD1 cells and showed a dramatic increase in their tumorigenic potency. These results suggest that TAT protein may play a role in the pathogenesis of some HIV1-associated diseases by modulating the expression of host cellular genes.

Tags: Animal; Female; Human; Support, Non-U.S. Gov't

Descriptors: \*Gene Expression; \*Gene Products, tat--metabolism--ME; \*HIV-1--genetics--GE; \*Interleukin-6--biosynthesis--BI; B-Lymphocytes; Base Sequence; Cell Line; Cell Line, Transformed; Cell Transformation, Neoplastic; Chloramphenicol O-Acetyltransferase--biosynthesis--BI; Chloramphenicol O-Acetyltransferase--metabolism--ME; DNA Primers; Gene Products, tat--biosynthesis--BI; Genes, tat; HIV-1--metabolism--ME; Hela Cells; Interleukin-6--genetics--GE; Kinetics; Mice; Mice, Nude; Molecular Sequence Data; Plasmids; Polymerase Chain Reaction; Promoter Regions (Genetics); Trans-Activation (Genetics); Transfection

CAS Registry No.: 0 (DNA Primers); 0 (Gene Products, tat); 0 (Interleukin-6); 0 (Plasmids)

Enzyme No.: EC 2.3.1.28 (Chloramphenicol O-Acetyltransferase)

Gene Symbol: ist/GeneSymbol tat

Record Date Created: 19940330

5/9/2 (Item 1 from file: 5)  
DIALOG(R)File 5:Biosis Previews(R)  
(c) 2001 BIOSIS. All rts. reserv.

10700535 BIOSIS NO.: 199799321680  
Regulation of p185 expression in B104-1 cells transfected with \*antisense\*

neu retrovirus vectors.

AUTHOR: Yang Ya-Wun; Yang Yu-Feng(a)

AUTHOR ADDRESS: (a)Sch. Pharmacy, Coll. Med., Natl. Taiwan Univ., 1 Jen-Ai Road, Section 1, Taipei 100\*\*Taiwan

JOURNAL: International Journal of Oncology 9 (6):p1259-1265 1996

ISSN: 1019-6439

RECORD TYPE: Abstract

LANGUAGE: English

ABSTRACT: In this study, we examined the effect of \*antisense\* neu recombinant murine retroviral vectors on the p185 expression in B104-1 cells. Two fragments containing the 5' end and the transmembrane region of neu\* were inserted in an inverted orientation relative to the 5' long terminal repeat (\*LTR\*) of the pDOL retroviral vector and used in transfecting B 104-1 cells. The results obtained from RNase protection assays were not consistent with the proposed mechanism of the \*antisense\* action by other investigators. Elevated expression of p185 was observed in several \*antisense\* vector-transfected clones, presumably caused by the \*promoter\*-insertion\* type of activation.

REGISTRY NUMBERS: 9001-99-4: RNASE

DESCRIPTORS:

MAJOR CONCEPTS: Tumor Biology

BIOSYSTEMATIC NAMES: Muridae--Rodentia, Mammalia, Vertebrata, Chordata, Animalia

ORGANISMS: Muridae (Muridae)

BIOSYSTEMATIC CLASSIFICATION (SUPER TAXA): animals; chordates; mammals; nonhuman vertebrates; nonhuman mammals; rodents; vertebrates

CHEMICALS & BIOCHEMICALS: RNASE

MISCELLANEOUS TERMS: Research Article; ANALYTICAL METHOD; B104-1 CELL CELL LINE; EXPRESSION; MISCELLANEOUS METHOD; NEW ONCOGENE TRANSFORMED NIH3TC; P185; REGULATION; RETROVIRUS VECTORS; RNASE PROTECTION ASSAY; TRANSMEMBRANE PROTEIN; TUMOR BIOLOGY

CONCEPT CODES:

24004 Neoplasms and Neoplastic Agents-Pathology; Clinical Aspects; Systemic Effects

BIOSYSTEMATIC CODES:

86375 Muridae

?s s2 and ltr

1440 S2

7657 LTR

S6 25 S2 AND LTR

?s s6 and antisense

25 S6

30748 ANTISENSE

S7 0 S6 AND ANTISENSE

?ds

Set	Items	Description
S1	3006	PROMOTER?(5N)INSERT?
S2	1440	PROMOTER?(5N)INTRODUC?
S3	77	S1 AND LTR
S4	3	S3 AND ANTISENSE
S5	2	RD (unique items)
S6	25	S2 AND LTR
S7	0	S6 AND ANTISENSE

?logoff

25sep01 11:51:40 User259980 Session D154.2	\$1.84	0.128 DialUnits File434
\$1.84	Estimated cost File434	\$1.11 0.348 DialUnits File155
		\$0.20 1 Type(s) in Format 9
	\$0.20	1 Types
\$1.31	Estimated cost File155	\$2.22 0.396 DialUnits File5
		\$1.65 1 Type(s) in Format 9
	\$1.65	1 Types
\$3.87	Estimated cost File5	OneSearch, 3 files, 0.872 DialUnits FileOS
\$0.15	TYMNET	
\$7.17	Estimated cost this search	

\$7.45 Estimated total session cost 0.951 DialUnits

### Status: Signed Off. (3 minutes)

```
### Status: Path 1 of [Dialog Information Services via Modem]

### Status: Initializing TCP/IP using (UseTelnetProto 1 ServiceID pto-dialog)
Trying 3106900061...Open

DIALOG INFORMATION SERVICES
PLEASE LOGON:
***** HHHHHHHH SSSSSSS?
### Status: Signing onto Dialog
*****  
ENTER PASSWORD:
***** HHHHHHHH SSSSSSS?PWZ0bgdt *****
Welcome to DIALOG
### Status: Connected

Dialog level 01.08.22D

Last logoff: 08sep01 11:27:24
Logon file001 25sep01 11:16:47
*** ANNOUNCEMENT ***
***  
--Important Notice to Freelance Authors--
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NEW FILES RELEASED
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***Disclosure Database (File 101)
***Harris Business Profiler (File 537)
***Mergent Company Profiles (File 555)
***Mergent Company Snapshots (File 556)
***Mergent Company News Reports (File 557)
***Financial Times Fulltext (File 476)

****TRADEMARKSCAN-Japan (File 669)

UPDATING RESUMED
***Delphes European Business (File 481)
***Books In Print (File 470)
***  
RELOADED
***Kompass Middle East/Africa/Mediterranean (File 585)
***Kompass Asia/Pacific (File 592)
***Kompass Central/Eastern Europe (File 593)
***Kompass Canada (File 594)
***CANCERLIT (File 159)
***Information Science Abstracts (File 202)

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broad spectrum of news wires.

>>> Enter BEGIN HOMEBASE for Dialog Announcements <<<
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*****  
KWIC is set to 50.
HIGHLIGHT set on as '*'
* * *

File 1:ERIC 1966-2001/Sep 06
(c) format only 2001 The Dialog Corporation
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Set Items Description
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?b 155, 434, 5,
    25sep01 11:16:51 User259980 Session D153.1
        $0.32   0.092 DialUnits File1
$0.32 Estimated cost File1
$0.32 Estimated cost this search
$0.32 Estimated total session cost  0.092 DialUnits
```

SYSTEM:OS - DIALOG OneSearch  
File 155:MEDLINE(R) 1966-2001/Oct W3  
File 434:SciSearch(R) Cited Ref Sci 1974-1989/Dec  
(c) 1998 Inst for Sci Info  
File 5:Biosis Previews(R) 1969-2001/Sep W3  
(c) 2001 BIOSIS

```
Set Items Description
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?s promoter?(n5)ltr
    190205 PROMOTER?
        7657 LTR
S1 1179 PROMOTER?(N5)LTR
?s1 and antisense
    5556668 1
        30748 ANTISENSE
S2 13225 1 AND ANTISENSE
?s s1 and antisense
    1179 S1
        30748 ANTISENSE
S3 42 S1 AND ANTISENSE
?rd
...completed examining records
S4 27 RD (unique items)
?t/3/all
```

4/3/1 (Item 1 from file: 155)  
DIALOG(R)File 155:MEDLINE(R)

11470308 21331647 PMID: 11438838  
SV40-derived vectors provide effective transgene expression and inhibition of HIV-1 using constitutive, conditional, and pol III promoters.  
Jayan GC; Cordelier P; Patel C; BouHamdan M; Johnson RP; Lisziewicz J;  
Pomerantz RJ; Strayer DS  
Department of Pathology, Jefferson Medical College, Philadelphia, PA  
19107, USA.  
Gene therapy (England) Jul 2001, 8 (13) p1033-42, ISSN 0969-7128  
Journal Code: CCE  
Contract/Grant No.: AI41399, AI, NIAID; MH58526, MH, NIMH; RR00168, RR,  
NCRR; RR13156, RR, NCRR  
Languages: ENGLISH  
Document type: Journal Article  
Record type: Completed

4/3/2 (Item 2 from file: 155)  
DIALOG(R)File 155:MEDLINE(R)

11278056 21214764 PMID: 11313794  
Efficacy of adenoviral TNF alpha \*antisense\* is enhanced by a macrophage specific promoter.  
Sidiroopoulos P; Liu H; Mungre S; Anderson L; Thimmapaya B; Pope RM  
Department of Medicine, Division of Rheumatology Northwestern University  
Medical School and the VA Chicago Health Care System, Lakeside Division,  
Chicago, IL, USA.  
Gene therapy (England) Feb 2001, 8 (3) p223-31, ISSN 0969-7128  
Journal Code: CCE  
Contract/Grant No.: N01-AR-6-2229, AR, NIAMS  
Languages: ENGLISH  
Document type: Journal Article  
Record type: Completed

4/3/3 (Item 3 from file: 155)  
DIALOG(R)File 155:MEDLINE(R)

10769135 98412955 PMID: 9741924

A simple assay system for examination of the inhibitory potential in vivo of decoy RNAs, ribozymes and other drugs by measuring the Tat-mediated transcription of a fusion gene composed of the long terminal repeat of HIV-1 and a gene for luciferase.

Koseki S; Ohkawa J; Yamamoto R; Takebe Y; Taira K  
National Institute of Bioscience and Human Technology, MITI, Tsukuba  
Science City, Japan.

Journal of controlled release (NETHERLANDS) Apr 30 1998, 53 (1-3)  
p159-73, ISSN 0168-3659 Journal Code: C46

Languages: ENGLISH

Document type: Journal Article

Record type: Completed

4/3/4 (Item 4 from file: 155)  
DIALOG(R)File 155:MEDLINE(R)

09667116 98139081 PMID: 9499041

Comparative analyses of intracellularly expressed \*antisense\* RNAs as inhibitors of human immunodeficiency virus type 1 replication.

Veres G; Junker U; Baker J; Barske C; Kalfoglou C; Ilves H; Escaich S;  
Kaneshima H; Bohnlein E  
Systemix Inc., a Novartis Company, Palo Alto, California 94304, USA.  
gveres@stem.com

Journal of virology (UNITED STATES) Mar 1998, 72 (3) p1894-901,  
ISSN 0022-538X Journal Code: KCV

Languages: ENGLISH

Document type: Journal Article

Record type: Completed

4/3/5 (Item 5 from file: 155)  
DIALOG(R)File 155:MEDLINE(R)

09547475 97410277 PMID: 9266992

Use of the bovine leukaemia virus \*LTR\* U3 \*promoter\* for expressing \*antisense\* antiviral RNAs and competitive inhibition of viral infection in cell culture.

Shayakhtmetov D; Kovalenko D; Yurov G; Borisenko A; Tikchonenko T  
Department of Genetic Engineering, Institute of Agricultural  
Biotechnology, Moscow, Russia.

Journal of general virology (ENGLAND) Aug 1997, 78 ( Pt 8) p1941-8,  
ISSN 0022-1317 Journal Code: I9B

Languages: ENGLISH

Document type: Journal Article

Record type: Completed

4/3/6 (Item 6 from file: 155)  
DIALOG(R)File 155:MEDLINE(R)

09533898 98049438 PMID: 9389570

Effects of an inducible anti-sense c-myc gene transfer in a drug-resistant human small-cell-lung-carcinoma cell line.

Van Waardenburg RC; Meijer C; Burger H; Nooter K; De Vries EG; Mulder NH;  
De Jong S  
Division of Medical Oncology, University Hospital Groningen, The  
Netherlands.

International journal of cancer. Journal international du cancer (UNITED  
STATES) Nov 14 1997, 73 (4) p544-50, ISSN 0020-7136 Journal Code:  
GQU

Languages: ENGLISH

Document type: Journal Article

Record type: Completed

4/3/7 (Item 7 from file: 155)  
DIALOG(R)File 155:MEDLINE(R)

09458419 97203275 PMID: 9050993

Cell lines containing and expressing the human herpesvirus 6A ts gene are protected from both H-ras and BPV-1 transformation.

Araujo JC; Doniger J; Stoppler H; Sadaie MR; Rosenthal LJ

Department of Microbiology and Immunology and Vincent T Lombardi Cancer center, Georgetown University Medical Center, Washington, DC 20007, USA.

Oncogene (ENGLAND) Feb 27 1997, 14 (8) p937-43, ISSN 0950-9232

Journal Code: ONC

Languages: ENGLISH

Document type: Journal Article

Record type: Completed

4/3/8 (Item 8 from file: 155)  
DIALOG(R)File 155:MEDLINE(R)

09279877 97213955 PMID: 9060644

Chicken YB-2, a Y-box protein, is a potent activator of Rous sarcoma virus long terminal repeat-driven transcription in avian fibroblasts.

Swamynathan SK; Nambiar A; Guntaka RV

Department of Molecular Microbiology and Immunology, School of Medicine, University of Missouri-Columbia, 65212, USA.

Journal of virology (UNITED STATES) Apr 1997, 71 (4) p2873-80,

ISSN 0022-538X Journal Code: KCV

Contract/Grant No.: RO1 CA54192, CA, NCI

Languages: ENGLISH

Document type: Journal Article

Record type: Completed

4/3/9 (Item 9 from file: 155)  
DIALOG(R)File 155:MEDLINE(R)

09205695 97331160 PMID: 9187492

Stable expression of anti-HPV 16 E7-ribozyme in CV-1 cell lines.

Huang Y; Kong Y; Wang Y; Qi G; Lu C

Department of Biochemistry, First Military Medical University, Guangzhou, China.

Chinese journal of biotechnology (UNITED STATES) 1996, 12 (4) p215-20, ISSN 1042-749X Journal Code: A5Y

Languages: ENGLISH

Document type: Journal Article

Record type: Completed

4/3/10 (Item 10 from file: 155)  
DIALOG(R)File 155:MEDLINE(R)

08964185 96289180 PMID: 8764225

Glucocorticoid-induced tropoelastin expression is mediated via transforming growth factor-beta 3.

Yee W; Wang J; Liu J; Tseu I; Kuliszewski M; Post M

Department of Pediatrics, Hospital for Sick Children Research Institute, University of Toronto, Ontario, Canada.

American journal of physiology (UNITED STATES) Jun 1996, 270 (6 Pt 1) pL992-1001, ISSN 0002-9513 Journal Code: 3U8

Languages: ENGLISH

Document type: Journal Article

Record type: Completed

4/3/11 (Item 11 from file: 155)  
DIALOG(R)File 155:MEDLINE(R)

08925305 96251935 PMID: 8661389

Long-term protection against HIV-1 infection conferred by tat or rev \*antisense\* RNA was affected by the design of the retroviral vector.

Peng H; Callison D; Li P; Burrell C  
National Centre for HIV Virology Research, Division of Medical Virology,  
Institute of Medical and Veterinary Science, Adelaide, South Australia.  
Virology (UNITED STATES) Jun 15 1996, 220 (2) p377-89, ISSN  
0042-6822 Journal Code: XEA  
Languages: ENGLISH  
Document type: Journal Article  
Record type: Completed

4/3/12 (Item 12 from file: 155)  
DIALOG(R)File 155:MEDLINE(R)

08535501 95303478 PMID: 7784060  
Expression of \*antisense\* osteopontin RNA inhibits tumor promoter-induced  
neoplastic transformation of mouse JB6 epidermal cells.  
Su L; Mukherjee AB; Mukherjee BB  
Department of Biology, McGill University, Montreal, Quebec, Canada.  
Oncogene (ENGLAND) Jun 1 1995, 10 (11) p2163-9, ISSN 0950-9232  
Journal Code: ONC  
Languages: ENGLISH  
Document type: Journal Article  
Record type: Completed

4/3/13 (Item 13 from file: 155)  
DIALOG(R)File 155:MEDLINE(R)

08407487 94187107 PMID: 8139043  
Negative regulation of the 5' long terminal repeat (LTR) by the 3' LTR in  
the murine proviral genome.  
Gama Sosa MA; Rosas DH; DeGasperi R; Morita E; Hutchison MR; Ruprecht RM  
Dana-Farber Cancer Institute, Boston, MA 02115.  
Journal of virology (UNITED STATES) Apr 1994, 68 (4) p2662-70,  
ISSN 0022-538X Journal Code: KCV  
Contract/Grant No.: RO1-AI-29797, AI, NIAID; UO1-AI24845, AI, NIAID  
Languages: ENGLISH  
Document type: Journal Article  
Record type: Completed

4/3/14 (Item 14 from file: 155)  
DIALOG(R)File 155:MEDLINE(R)

08381444 95018391 PMID: 7523690  
Astrogliosis in culture: III. Effect of recombinant retrovirus expressing  
\*antisense\* glial fibrillary acidic protein RNA.  
Ghirnikar RS; Yu AC; Eng LF  
Department of Pathology, Stanford University School of Medicine,  
California.  
Journal of neuroscience research (UNITED STATES) Jul 1 1994, 38 (4)  
p376-85, ISSN 0360-4012 Journal Code: KAC  
Contract/Grant No.: NS-11632, NS, NINDS  
Languages: ENGLISH  
Document type: Journal Article  
Record type: Completed

4/3/15 (Item 15 from file: 155)  
DIALOG(R)File 155:MEDLINE(R)

08218435 94344159 PMID: 8065378  
Use of U3 promotor from the LTR region of bovine leukemia virus for  
expressing genes for antiviral \*antisense\* RNAs in cell cultures]  
Ispol'zovanie promotora U3 oblasti LTR virusa leikoza korov dlia  
ekspresii genov protivovirusnykh antismyslovykh RNK v kletochnykh  
kul'turakh.  
Borisenko AS; Shaiakhetmetov DM; Gerzilova AG; Tikhonenko TI  
Molekuliarnaia genetika, mikrobiologija i virusologija (RUSSIA) May-Jun  
1994, (3) p16-20, ISSN 0208-0613 Journal Code: NMJ  
Languages: RUSSIAN

Document type: Journal Article  
Record type: Completed

4/3/16 (Item 16 from file: 155)  
DIALOG(R)File 155:MEDLINE(R)

08077678 93374173 PMID: 8365561  
Inhibition of differentiation in P19 embryonal carcinoma cells by the expression of vectors encoding truncated or \*antisense\* EGF receptor.  
Wu JX; Adamson ED  
La Jolla Cancer Research Foundation, California 92037.  
Developmental biology (UNITED STATES) Sep 1993, 159 (1) p208-22,  
ISSN 0012-1606 Journal Code: E7T  
Contract/Grant No.: CA28427, CA, NCI; RO1 HD 28025, HD, NICHD  
Languages: ENGLISH  
Document type: Journal Article  
Record type: Completed

4/3/17 (Item 17 from file: 155)  
DIALOG(R)File 155:MEDLINE(R)

07522886 91156293 PMID: 1847998  
mos-induced inhibition of glucocorticoid receptor function is mediated by Fos.  
Touray M; Ryan F; Saurer S; Martin F; Jaggi R  
Department of Clinical and Experimental Cancer Research, University of Bern, Switzerland.  
Oncogene (ENGLAND) Feb 1991, 6 (2) p211-7, ISSN 0950-9232  
Journal Code: ONC  
Languages: ENGLISH  
Document type: Journal Article  
Record type: Completed

4/3/18 (Item 18 from file: 155)  
DIALOG(R)File 155:MEDLINE(R)

07073923 93264764 PMID: 8388279  
Unexpected effect of an anti-human immunodeficiency virus intermolecular triplex-forming oligonucleotide in an in vitro transcription system due to RNase H-induced cleavage of the RNA transcript.  
Praseuth D; Guiyesse AL; Itkes AV; Helene C  
Laboratoire de Biophysique, INSERM U201, CNRS UA481, Paris, France.  
Antisense research and development (UNITED STATES) Spring 1993, 3 (1) p33-44, ISSN 1050-5261 Journal Code: BI7  
Languages: ENGLISH  
Document type: Journal Article  
Record type: Completed

4/3/19 (Item 19 from file: 155)  
DIALOG(R)File 155:MEDLINE(R)

05915961 88216583 PMID: 2452971  
Functional analysis of the long terminal repeats of intracisternal A-particle genes: sequences within the U3 region determine both the efficiency and direction of promoter activity.  
Christy RJ; Huang RC  
Department of Biology, Johns Hopkins University, Baltimore, Maryland 21218.  
Molecular and cellular biology (UNITED STATES) Mar 1988, 8 (3) p1093-102, ISSN 0270-7306 Journal Code: NGY  
Contract/Grant No.: 5T32GM07231-09, GM, NIGMS; P01AG03633, AG, NIA; R01AG04350, AG, NIA  
Languages: ENGLISH  
Document type: Journal Article  
Record type: Completed

4/3/20 (Item 20 from file: 155)  
DIALOG(R)File 155:MEDLINE(R)

05760634 87226400 PMID: 3035218  
Identification of p40x-responsive regulatory sequences within the human  
T-cell leukemia virus type I long terminal repeat.  
Brady J; Jeang KT; Duvall J; Khouri G  
Journal of virology (UNITED STATES) Jul 1987, 61 (7) p2175-81,  
ISSN 0022-538X Journal Code: KCV  
Languages: ENGLISH  
Document type: Journal Article  
Record type: Completed

4/3/21 (Item 1 from file: 5)  
DIALOG(R)File 5:Biosis Previews(R)  
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11754983 BIOSIS NO.: 199900001092  
\*Antisense\* RNA suppressing bovine leukemia virus reproduction in cell  
culture efficiently binds with RNA-target in vitro.  
AUTHOR: Shayakhmetov D M; Ternovoi V V; Borisenko A S; Tikhonenko T I  
AUTHOR ADDRESS: All-Russ. Res. Inst. Agric. Biotechnol., Russ. Acad.  
Agric. Sci., Moscow 127550\*\*Russia  
JOURNAL: Molekuljarnaya Biologija (Moscow) 32 (2):p332-340 March-April,  
1998  
ISSN: 0026-8984  
DOCUMENT TYPE: Article  
RECORD TYPE: Abstract  
LANGUAGE: Russian; Non-English  
SUMMARY LANGUAGE: Russian; Non-English

4/3/22 (Item 2 from file: 5)  
DIALOG(R)File 5:Biosis Previews(R)  
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11134062 BIOSIS NO.: 199799755207  
Inhibition of the synthesis of proteins needed for Epstein-Barr virus  
replication by \*antisense\* RNA against the Zta gene.  
AUTHOR: Liu Mei-Ying(a); Chen Jen-Yang; Tsai Ching-Hwa Ann; Hsu Tsuey-Ying;  
Yang Czau-Siung  
AUTHOR ADDRESS: (a)Grad. Inst. Microbiol., Coll. Med., Natl. Taiwan Univ.,  
No. 1, Sect. 1, Jen-Ai Road, Taipei\*\*Taiwan  
JOURNAL: Journal of Biomedical Science 4 (4):p139-145 1997  
ISSN: 1021-7770  
RECORD TYPE: Abstract  
LANGUAGE: English

4/3/23 (Item 3 from file: 5)  
DIALOG(R)File 5:Biosis Previews(R)  
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10015773 BIOSIS NO.: 199598470691  
Suppression and restoration of v-src expression in RSV transformed cells  
after transfection with N-ras and its antagonist.  
AUTHOR: Tchevkina E M; Kisseljova N P; Shtutman M S; Musatkina E A;  
Mizenina O A; Leskov K V; Tavitian A; Kisseljov F L(a)  
AUTHOR ADDRESS: (a)Inst. Carcinogenesis, Cancer Research Centre,  
Kashirskoye Shosse 24, Moscow\*\*Russia  
JOURNAL: International Journal of Oncology 7 (3):p453-459 1995  
ISSN: 1019-6439  
DOCUMENT TYPE: Article  
RECORD TYPE: Abstract  
LANGUAGE: English

4/3/24 (Item 4 from file: 5)  
DIALOG(R)File 5:Biosis Previews(R)  
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09946880 BIOSIS NO.: 199598401798  
GM-CSF-induced internal autocrine proliferation occurs in a compartment outside of the endoplasmic reticulum.  
AUTHOR: Orchard Paul J(a); McIvor R Scott; Singh Haemwantie A; Blazar Bruce R  
AUTHOR ADDRESS: (a)Box 484 Mayo Memorial Building, 420 Delaware Street S.E., Minneapolis, MN 55455\*\*USA  
JOURNAL: Experimental Hematology (Charlottesville) 23 (7):p573-582 1995  
ISSN: 0301-472X  
DOCUMENT TYPE: Article  
RECORD TYPE: Abstract  
LANGUAGE: English

4/3/25 (Item 5 from file: 5)  
DIALOG(R)File 5:Biosis Previews(R)  
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09588627 BIOSIS NO.: 199598043545  
Use of U3 \*promoter\* from \*LTR\* region of bovine leukemia virus for expression of the \*antisense\* RNA genes in cell cultures.  
AUTHOR: Borisenko A S; Shayakhmetov D M; Gerzilova A G; Tikhonenko T I  
AUTHOR ADDRESS: All-Russ. Res. Inst. Agric. Biotechnol., Moscow\*\*Russia  
JOURNAL: Molekulyarnaya Genetika Mikrobiologiya i Virusologiya 0 (3):p 16-20 1994  
ISSN: 0208-0613  
DOCUMENT TYPE: Article  
RECORD TYPE: Abstract  
LANGUAGE: Russian; Non-English  
SUMMARY LANGUAGE: Russian; English

4/3/26 (Item 6 from file: 5)  
DIALOG(R)File 5:Biosis Previews(R)  
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09021660 BIOSIS NO.: 199497030030  
Genomic distribution and transcription of solitary HERV-K LTRs.  
AUTHOR: Leib-Moesch Christine(a); Haltmeier Manuela; Werner Thomas; Geigl Eva-Maria; Brack-Werner Ruth; Francke Uta; Erfle Volker; Heilmann Ruediger  
AUTHOR ADDRESS: (a)GSF-Forschungszentrum Umwelt und Gesundheit, Inst. Molekulare Biol., Postfach 1129, D-85758 Ober\*\*Germany  
JOURNAL: Genomics 18 (2):p261-269 1993  
ISSN: 0888-7543  
DOCUMENT TYPE: Article  
RECORD TYPE: Abstract  
LANGUAGE: English

4/3/27 (Item 7 from file: 5)  
DIALOG(R)File 5:Biosis Previews(R)  
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06137349 BIOSIS NO.: 000085100501  
FUNCTIONAL ANALYSIS OF THE LONG TERMINAL REPEATS OF INTRACISTERNALE A-PARTICLE GENES SEQUENCES WITH THE U3 REGION DETERMINE BOTH THE EFFICIENCY AND DIRECTION OF PROMOTER ACTIVITY  
AUTHOR: CHRISTY R J; HUANG R C C  
AUTHOR ADDRESS: DEP. BIOL., JOHN HOPKINS UNIV., BALTIMORE, MARYLAND 21218.  
JOURNAL: MOL CELL BIOL 8 (3). 1988. 1093-1102. 1988  
FULL JOURNAL NAME: Molecular and Cellular Biology  
CODEN: MCEBD  
RECORD TYPE: Abstract  
LANGUAGE: ENGLISH  
?t/9/5,11,27

4/9/5 (Item 5 from file: 155)  
DIALOG(R)File 155:MEDLINE(R)

09547475 97410277 PMID: 9266992

Use of the bovine leukaemia virus \*LTR\* U3 \*promoter\* for expressing \*antisense\* antiviral RNAs and competitive inhibition of viral infection in cell culture.

Shayakhmetov D; Kovalenko D; Yurov G; Borisenko A; Tikchonenko T  
Department of Genetic Engineering, Institute of Agricultural Biotechnology, Moscow, Russia.

Journal of general virology (ENGLAND) Aug 1997, 78 ( Pt 8) p1941-8,  
ISSN 0022-1317 Journal Code: I9B

Languages: ENGLISH

Document type: Journal Article

Record type: Completed

Subfile: INDEX MEDICUS

Use of viral inducible promoters which can be activated by virus-specific transactivator proteins to drive expression of \*antisense\* (as)RNA genes appears to be an attractive approach to inhibit virus infections in vivo. To this end, we have constructed an asRNA gene expressed from the bovine leukaemia virus (BLV) U3 promoter that is complementary to the R-U5 region of the BLV genome. This is the region that is most susceptible to inhibition by asRNA. With plasmid pLU, which expresses the asRNA gene under the control of the BLV U3 promoter, 75% inhibition of virus replication was attained in CC81 cells (the molar ratio of pLU DNA over BLV proviral DNA in the transfection mixture was 5:1). Plasmid pLT, which contains only the BLV U3 promoter without any asRNA-coding region, also efficiently (up to 60%) inhibited virus replication when cotransfected with BLV proviral DNA at a ratio of 20:1. It was suggested that competition between functional and 'empty' viral promoters for the viral transactivator protein p38tax could account for this inhibition. An immunoblotting assay showed that in the presence of nuclear extracts from CC81 cells exogenous BLV p38tax specifically associates with its responsive sequence located in the BLV U3 promoter. Moreover, the additional expression of p38tax in CC81 cells abolishes the inhibitory effect of the empty viral promoter. These observations suggest a new mechanism of BLV inhibition caused, most probably, by sequestering of the viral transactivator protein.

Tags: Animal; Support, Non-U.S. Gov't

Descriptors: Leukemia Virus, Bovine--physiology--PH; \*Promoter Regions (Genetics); \*RNA, \*Antisense--biosynthesis--BI; \*RNA, Viral--biosynthesis --BI; \*Repetitive Sequences, Nucleic Acid; \*Transcription, Genetic; \*Virus Replication; Cats; Cattle; Cell Line; Cell Nucleus--metabolism--ME; DNA, Viral--metabolism--ME; Gene Products, tax--biosynthesis--BI; Gene Products, tax--genetics--GE; Giant Cells; Leukemia Virus, Bovine--genetics --GE; Plasmids; Polymerase Chain Reaction; Proviruses--genetics--GE; Proviruses--physiology--PH; RNA Probes; Recombinant Proteins--biosynthesis --BI; Retroviridae Proteins, Oncogenic--biosynthesis--BI; Retroviridae Proteins, Oncogenic--genetics--GE; Transfection

CAS Registry No.: 0 (DNA, Viral); 0 (Gene Products, tax); 0 (Plasmids); 0 (RNA Probes); 0 (RNA, Antisense); 0 (RNA, Viral); 0 (Recombinant Proteins); 0 (Retroviridae Proteins, Oncogenic); 0 (transactivator protein p38(tax))

Record Date Created: 19970908

4/9/11 (Item 11 from file: 155)  
DIALOG(R)File 155: MEDLINE(R)

08925305 96251935 PMID: 8661389

Long-term protection against HIV-1 infection conferred by tat or rev \*antisense\* RNA was affected by the design of the retroviral vector.

Peng H; Callison D; Li P; Burrell C  
National Centre for HIV Virology Research, Division of Medical Virology, Institute of Medical and Veterinary Science, Adelaide, South Australia.

Virology (UNITED STATES) Jun 15 1996, 220 (2) p377-89, ISSN 0042-6822 Journal Code: XEA

Languages: ENGLISH

Document type: Journal Article

Record type: Completed

Subfile: INDEX MEDICUS

We have constructed a series of retroviral vectors in which the expression of \*antisense\* RNA targeted at the full length coding sequence of HIV-1 tat or rev was driven by three different promoters and in the context of double-copy or single-copy vectors. Jurkat cells transduced by

these vectors were shown to express the expected tat or rev \*antisense\* RNA without alteration in cell proliferation or surface CD4 expression. After challenge with HIV, four patterns of protection were identified, with the degree of protection being determined primarily by the design of the expression system. In those patterns showing long-term complete protection, we could detect no HIV p24 in the culture supernatants or in the cells, and no HIV RNA or HIV proviral DNA (by PCR), during a 23-week follow-up. Experiments designed to rescue any live virus still formed in the culture after 20 weeks' challenge demonstrated that, with some constructs, infectious virus could no longer be isolated, while with other constructs, only a low level of infectious virus was still being formed and providing a continuing virus challenge, although all other markers of infection remained undetectable. Our results demonstrated that \*antisense\* RNA expression driven by tRNA promoter in the context of a double-copy vector conferred better long-term protection against HIV infection compared to that driven by HIV \*LTR\* or MLV \*LTR\* \*promoters\*, and that the optimized vectors may be useful in developing a gene therapy against HIV-1 infection and AIDS.

Tags: Human; Support, Non-U.S. Gov't  
Descriptors: Gene Products, rev--genetics--GE; \*Gene Products, tat--genetics--GE; \*Genetic Vectors--genetics--GE; \*HIV-1--genetics--GE; \*RNA, \*Antisense\*--genetics--GE; \*T-Lymphocytes--virology--VI; Antigens, CD4--biosynthesis--BI; Base Sequence; Cell Division; Cell Line; Cloning, Molecular; DNA Primers; DNA, Viral--biosynthesis--BI; Gene Expression; HeLa Cells; Molecular Sequence Data; RNA, \*Antisense\*--pharmacology--PD; RNA, Transfer, Met--genetics--GE; Retroviridae--genetics--GE; T-Lymphocytes--immunology--IM; Transfection  
Molecular Sequence Databank No.: GENBANK/M19921  
CAS Registry No.: 0 (Antigens, CD4); 0 (DNA Primers); 0 (DNA, Viral); 0 (Gene Products, rev); 0 (Gene Products, tat); 0 (Genetic Vectors); 0 (RNA, Antisense); 0 (RNA, Transfer, Met)  
Record Date Created: 19960807

4/9/27 (Item 7 from file: 5)  
DIALOG(R)File 5:Biosis Previews(R)  
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06137349 BIOSIS NO.: 000085100501  
FUNCTIONAL ANALYSIS OF THE LONG TERMINAL REPEATS OF INTRACISTERNA  
A-PARTICLE GENES SEQUENCES WITH THE U3 REGION DETERMINE BOTH THE  
EFFICIENCY AND DIRECTION OF PROMOTER ACTIVITY  
AUTHOR: CHRISTY R J; HUANG R C C  
AUTHOR ADDRESS: DEP. BIOL., JOHN HOPKINS UNIV., BALTIMORE, MARYLAND 21218.  
JOURNAL: MOL CELL BIOL 8 (3). 1988. 1093-1102. 1988  
FULL JOURNAL NAME: Molecular and Cellular Biology  
CODEN: MCEBD  
RECORD TYPE: Abstract  
LANGUAGE: ENGLISH

ABSTRACT: The transcriptional activity of five intracisternal A-particle (IAP) long terminal repeats (LTRs) in mouse embryonal carcinoma PCC3-A/1 cells and in Ltk<sup>-</sup> cells was determined. We tested the promoter activity of the LTRs by coupling them to the reporter gene chloramphenicol acetyltransferase (CAT) or guanosine-xanthine phosphoribosyltransferase (gpt). Each \*LTR\* was tested for \*promoter\* function in both the sense (5' to 3') and \*antisense\* (3' to 5') orientation preceding the reporter gene. The transcriptional activity of individual IAP gene LTRs varied considerably, and the \*LTR\* from IAP81 possessed \*promoter\* activity in both directions. The bidirectional activity of the IAP81 LTR was confirmed by monitoring Ecogpt expression in stably transfected Ltk<sup>-</sup> cells, with the initiation sites for sense and \*antisense\* transcription being localized to within the IAP81 LTR by S1 nuclease mapping. Deletions of LTR81 show that for normal 5'-to-3' gene transcription (sense direction), the 3'U3/R region determines the basal level of transcription, whereas sequences within the 5'U3 region enhance transcription four- to fivefold. Deletion mapping for \*antisense\* transcription indicates that a 64-base-pair region (nucleotides 47 to 110) within the U3 region is essential for activity. These data indicate that the U3 region contains all the regulatory elements for bidirectional transcription in IAP LTRs.

DESCRIPTORS: MOUSE EMBRYONAL CARCINOMA PCC3-A-1 CELLS LTK CELLS  
CHLORAMPHENICOL ACETYLTRANSFERASE GUANOSINE-XANTHINE  
PHOSPHORIBOSYLTRANSFERASE TRANSCRIPTION

CONCEPT CODES:

02506 Cytology and Cytochemistry-Animal  
03506 Genetics and Cytogenetics-Animal  
10062 Biochemical Studies-Nucleic Acids, Purines and Pyrimidines  
10300 Replication, Transcription, Translation  
10506 Biophysics-Molecular Properties and Macromolecules  
10806 Enzymes-Chemical and Physical  
10052 Biochemical Methods-Nucleic Acids, Purines and Pyrimidines

BIOSYSTEMATIC CODES:

86375 Muridae

BIOSYSTEMATIC CLASSIFICATION (SUPER TAXA):

Animals  
Chordates  
Vertebrates  
Nonhuman Vertebrates  
Mammals  
Nonhuman Mammals  
Rodents

?ds

Set	Items	Description
S1	1179	PROMOTER?(N5)LTR
S2	13225	1 AND ANTISENSE
S3	42	S1 AND ANTISENSE
S4	27	RD (unique items)

?logoff

25sep01	11:25:15	User259980 Session D153.2
\$2.14	0.667	DialUnits File155
\$4.00	20	Type(s) in Format 3
\$0.40	2	Type(s) in Format 9
\$4.40	22	Types
\$6.54		Estimated cost File155
\$1.32	0.092	DialUnits File434
\$1.32		Estimated cost File434
\$3.40	0.607	DialUnits File5
\$11.55	7	Type(s) in Format 3
\$1.65	1	Type(s) in Format 9
\$13.20	8	Types
\$16.60		Estimated cost File5
		OneSearch, 3 files, 1.367 DialUnits FileOS
\$0.45		TYMNET
\$24.91		Estimated cost this search
\$25.23		Estimated total session cost 1.459 DialUnits

### Status: Signed Off. (9 minutes)